

Soil Sentry Twelve - X

Vapor Monitoring System

Arizona Instrument - A Z I

4114 E. Wood St.
Phoenix, AZ 85040
Tel: 602 731-3434



Evaluator: Ken Wilcox Ass. - 04/17/91

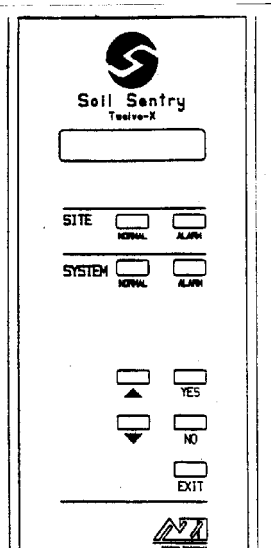
System Description: *The Soil Sentry Twelve-X is an “aspirated vapor” monitoring system. It’s designed to analyze the vapor concentration of Total Organic Hydrocarbons (TOH) found in the soil and backfill around motor fuel tanks. The system searches for leaks by drawing air samples from up to 12 underground locations and electronically analyzing those samples for the vapor of leaking hydrocarbon materials. The system sequentially draws air samples from each active vapor sampling point three times a day. If a vapor level above the adjustable alarm level is identified over three successive sampling cycles, or if a dangerously high vapor level is identified during any one cycle, the site alarm is triggered and a record is made of the day, cycle period, identification of the high vapor sampling point and the measured vapor level.*

Detector:	Output type:	quantitative
	Sampling frequency:	continuous
	Operating principle:	metal oxide semiconductor

Applicability: Unleaded and synthetic gas, diesel fuel, n-hexane, JP 4 & 5 jet fuel, toluene, xylene(s)

SAMPLE REPORTS

Twelve - X



Display Options

1. View Menu Options?
2. System Status
3. View Site Levels?
4. View Print Options?
5. Operate/Setup Options?
6. Diagnostics Options?

3. View or Print Past Vapor Levels

- a. Press **YES** or **NO** until "View Print Options?"
- b. Press **↑** or **↓** until "Past Vapor/Pressure?"
- c. Press **YES** to download information

d. Press **EXIT** to leave

Console

routine

1. View Site Levels

- a. Press **YES** or **NO** until "View Site Levels?"
- b. Press **↑** or **↓** until desired information

c. Press

leave routine

Arizona Instrument Corp.
1100 E. University
Tempe, Arizona 85281

```
14-MAR-90 09:00
Well Vapor(ppm) Press(In.H2O) Alarm
00      1200      -052      3500 PPM
01      0010      -050      3500 PPM
02      0010      -050      3500 PPM
03      0010      -050      3500 PPM
04      0010      -050      3500 PPM
05      0010      -050      3500 PPM
06      0010      -050      3500 PPM
07      0010      -050      3500 PPM
08      0010      -050      3500 PPM
09      0010      -050      3500 PPM
10      0010      -050      3500 PPM
11      0010      -050      3500 PPM
12      0010      -050      3500 PPM
```

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```
09-MAR-90 00:00
Well Vapor(ppm) Press(In.H2O)
00      0010      -049
00      0010      -049
00      0010      -049
```

EXIT to

```
09-MAR-90 08:00
Well Vapor(ppm) Press(In.H2O)
00      0010      -050
01      0010      -050
02      0010      -049
03      0010      -049
04      0010      -049
05      0010      -049
06      0010      -049
07      0010      -049
08      0010      -049
09      0010      -049
10      0010      -049
11      0010      -049
12      0010      -049
```

```
09-MAR-90 16:00
Well Vapor(ppm) Press(In.H2O)
00      0010      -050
01      0010      -050
02      0010      -049
03      0010      -049
04      0010      -049
05      0010      -049
06      0010      -049
07      0010      -049
08      0010      -049
09      0010      -049
10      0010      -049
11      0010      -049
12      0010      -049
```

2. View or Print Alarm History

- a. Press **YES** or **NO** until "View Print Options?"
- b. Press **↑** or **↓** until "Past Signif(ificant) Events?"

- c. Press **YES** to download information
- d. Press **EXIT** to leave routine

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